

**REMARKS**

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated November 29, 2005 has been received and its contents carefully reviewed. Applicants gratefully acknowledge the Examiner's indication of allowable subject matter in claim 36.

By this Amendment, Applicants have amended the abstract of the disclosure. In addition, Applicants have cancelled claims 9-12 and 18-20 without prejudice or disclaimer and added new claims 37-39. Because the newly added claims 37-39 depend from claim 36, which has been allowed, Applicants respectfully submit that claims 37-39 are in condition for immediate allowance. Claims 1-8, 13-17, 21, 25-27, 29-30 and 32-39 are pending in the present application. Reexamination and reconsideration of the pending claims are respectfully requested.

In the Office Action, the abstract of the disclosure is objected to because of informalities. Applicants respectfully submit that in view of the current amendments in the abstract of the disclosure, the objection is now believed to be moot.

In addition, the Examiner rejected claims 9-12 and 18-20 35 U.S.C. § 102(e) as being anticipated by Evanicky (U.S. Patent No. 6,611,249); rejected claims 1, 4-6, 13-17 and 21, 25-27, 29, 30, 32-35 under 35 U.S.C. § 103(a) as being unpatentable over Tone (U.S. Patent No. 6,404,512) in view of Margulis et al. (U.S. Patent No. 6,157,396); and rejected claims 3, 7 and 8 under 35 U.S.C. § 103(a) as being unpatentable over Tone in view of Margulis et al. and Hiroki (U.S. Patent No. 6,771,238).

Applicants respectfully submit that the rejection of claims 9-12 and 18-20 35 U.S.C. § 102(e) as being anticipated by Evanicky is rendered moot as claims 9-12 and 18-20 have been cancelled.

The rejection of claims 1, 4-6, 13-17 and 21, 25-27, 29, 30, 32-35 under 35 U.S.C. § 103(a) as being unpatentable over Tone in view of Margulis et al. is respectfully traversed and reconsideration is requested.

Claim 1 is allowable over the cited references in that claim 1 recites a combination of elements including, for example, "A liquid crystal display (LCD) device... a display controller for receiving video data and vertical and horizontal synchronizing signals and outputting the

video data and a clock... a column driver connected to the display panel, wherein the column driver receives the video data and the clock from the display controller and the n gamma voltages from the gamma voltage correction apparatus, and then corrects the video data using the n gamma voltages and applies the corrected video data to the data lines." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention.

Applicants respectfully submit that the claimed invention is directed to a liquid crystal display (LCD) device that includes a display controller for receiving video data and vertical and horizontal synchronizing signals, a gamma voltage correction apparatus, a column driver and data lines to display images on the LCD screen. However, the disclosure of Tone is directed to a digital copying apparatus, and as previously argued, the LCD screen 615a in Fig. 17 is used for a data entry unit and does not include all of the features recited in claim 1. Accordingly, Applicants respectfully submit that Tone is a non-analogous art in considering patentability under 35 U.S.C. § 103(a).

Applicants further respectfully submit that in order to establish a prima facie case of obviousness under 35 U.S.C. § 103, the prior art references when combined must at least teach or suggest all the claim elements. It appears that the Office Action does not specify which disclosure of Tone corresponds to "a display controller for receiving video data and vertical and horizontal synchronizing signals and outputting the video data and a clock" recited in claim 1. For at least these reasons, Accordingly, Applicants respectfully submit that claim 1 and claims 4-6, which depend therefrom, are allowable over the cited references.

Claim 13 is allowable over the cited references in that claim 13 recites a combination of elements including, for example, "receiving video data and vertical and horizontal synchronizing signals and outputting the video data and a clock... applying the corrected video data to the data lines." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 13 and claims 14-17, which depend therefrom, are allowable over the cited references.

Claim 21 is allowable over the cited references in that claim 21 recites a combination of elements including, for example, "a means having a multi-channel digital-to-converter (DAC) for generating a plurality of gamma reference voltages according to the selected gamma data, the

DAC further including a reference voltage generator for receiving a supply voltage and generating a plurality of reference voltages and a data receiver for receiving the reference voltages and the selected gamma data and generating therefrom the plurality of gamma reference voltages... wherein each of the plurality of modes corresponds to a different source video generator for providing video data to the LCD." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 21 and claims 25-27, which depend therefrom, are allowable over the cited references.

Claim 29 is allowable over the cited references in that claim 29 recites a combination of elements including, for example, "receiving video data and vertical and horizontal synchronizing signals and outputting the video data and a clock... applying the corrected video data to the data lines." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 29 and claims 30, 32 and 33, which depend therefrom, are allowable over the cited references.

Claim 34 is allowable over the cited references in that claim 34 recites a combination of elements including, for example, "A display device... a display controller for receiving video data and vertical and horizontal synchronizing signals and outputting the video data and a clock... a column driver connected to the display panel, wherein the column driver receives the video data and clock from the display controller and the n gamma voltages from the gamma voltage correction part, and then corrects the video data using the n gamma voltages and applies the corrected video data to the data lines." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 34 and claim 35, which depends therefrom, are allowable over the cited references.

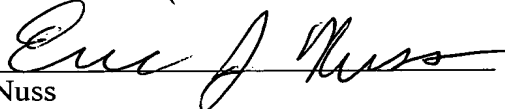
The rejection of claims 3, 7 and 8 under 35 U.S.C. § 103(a) as being unpatentable over Tone in view of Margulis et al. and Hiroki is respectfully traversed and reconsideration is requested. Applicants respectfully submit that because Hiroki fails to cure the deficient teachings of Tone and Margulis et al. as discussed with respect to claim 1, claims 3, 7 and 8 are allowable over the cited references.

Applicants believe the application is in condition for allowance and early, favorable action is respectfully solicited. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,

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